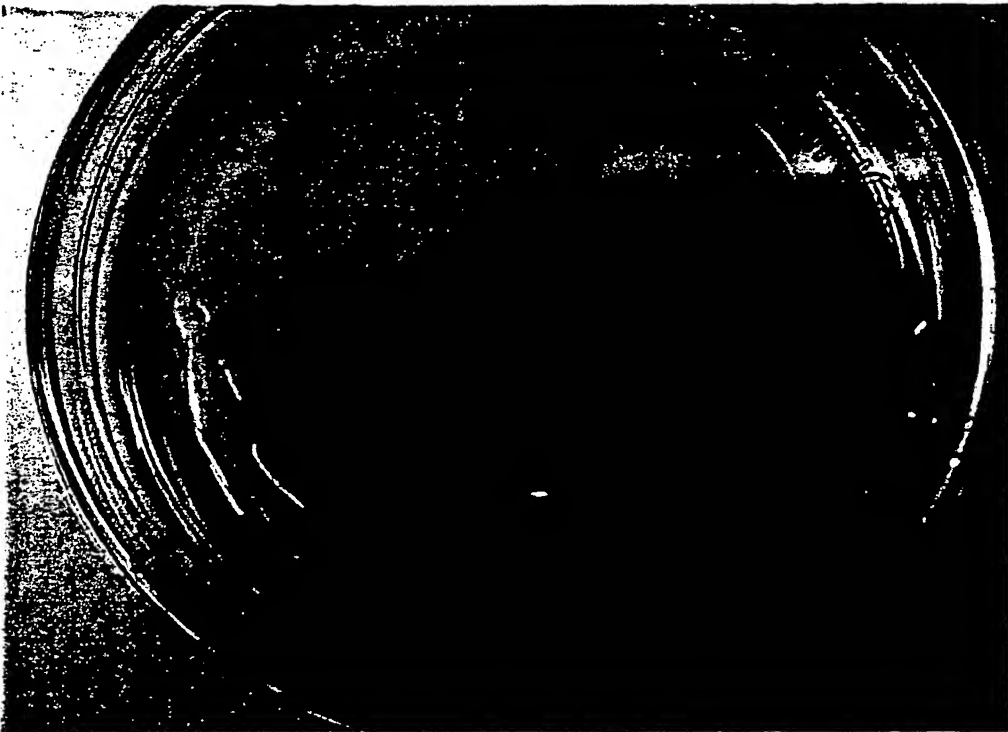
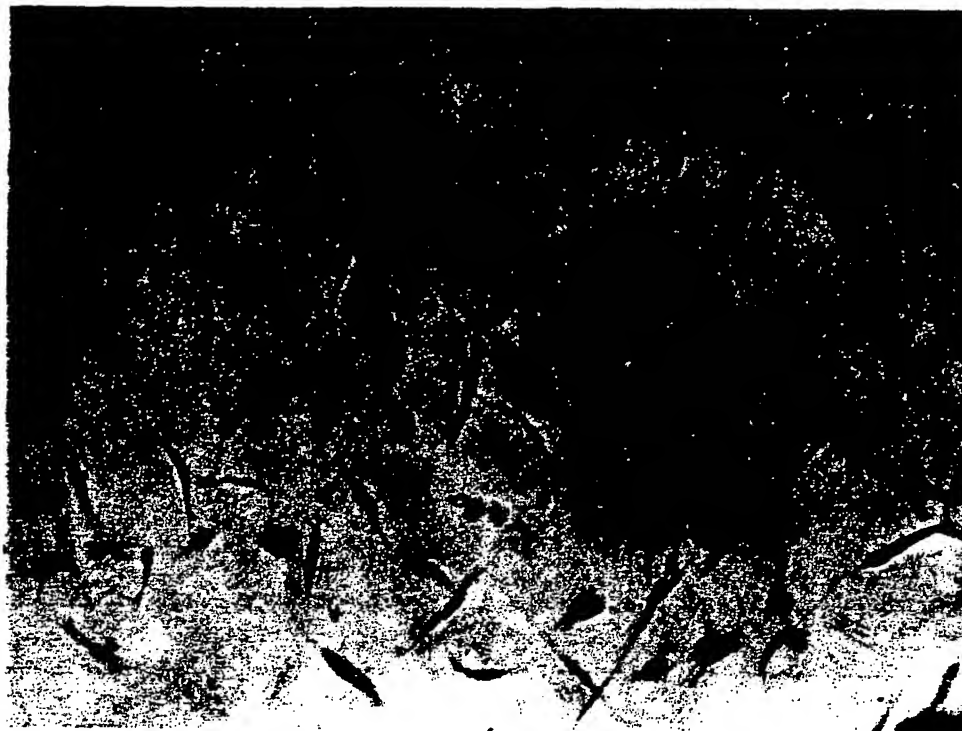


**FIG. 1A**

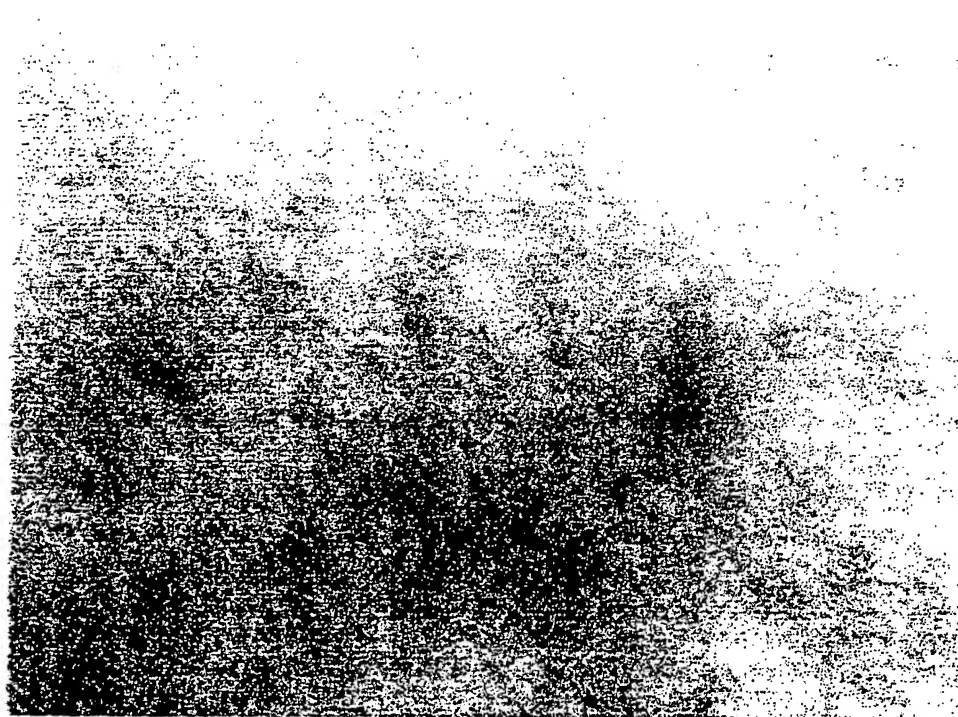


**FIG. 1B**

**BEST AVAILABLE COPY**



**Fig. 2a**



**Fig. 2b**

BEST AVAILABLE COPY

**MINI-PATCHESS (HSDMEM):**

<b>HRS.</b>	<b>AVERAGE</b>	<b>N</b>	<b>STANDARD DEVIATION</b>	<b>STANDARD ERROR</b>
0	100.000 %	12	0.000 %	0.000 %
24	100.000 %	12	0.000 %	0.000 %
48	96.740 %	12	5.107 %	1.474 %
72	NA-----			
96	NA-----			
120	90.218 %	12	3.763 %	1.086 %
144	NA-----			
168	88.768 %	12	2.235 %	0.645 %
192	84.058 %	12	5.664 %	1.635 %
216	80.435 %	12	6.272 %	1.811 %
240	73.553 %	12	9.536 %	2.753 %
264	NA-----			
288	67.391 %	12	8.987 %	2.594 %

**MINI-PATCHES (HSF-12):**

<b>HRS.</b>	<b>AVERAGE</b>	<b>N</b>	<b>STANDARD DEVIATION</b>	<b>STANDARD ERROR</b>
0	100.000 %	4	0.000 %	0.000 %
24	100.000 %	4	0.000 %	0.000 %
48	100.000 %	4	0.000 %	0.000 %
72	NA-----			
96	NA-----			
120	94.563 %	4	2.175 %	1.088 %
144	NA-----			
168	93.475 %	4	2.511 %	1.256 %
192	93.475 %	4	2.511 %	1.256 %
216	93.475 %	4	2.511 %	1.256 %
240	93.475 %	4	2.511 %	1.256 %
264	NA-----			
288	92.388 %	4	2.175 %	1.088 %

**MINI-PATCHES (F-12):**

<b>HRS.</b>	<b>AVERAGE</b>	<b>N</b>	<b>STANDARD DEVIATION</b>	<b>STANDARD ERROR</b>
0	100.000 %	12	0.000 %	0.000 %
24	100.000 %	12	0.000 %	0.000 %
48	100.000 %	12	0.000 %	0.000 %
72	NA-----			
96	NA-----			
120	99.638 %	12	1.256 %	0.363 %
144	NA-----			
168	99.638 %	12	1.256 %	0.363 %
192	99.638 %	12	1.256 %	0.363 %
216	99.638 %	12	1.256 %	0.363 %
240	99.638 %	12	1.256 %	0.363 %
264	NA-----			
288	99.638 %	12	1.256 %	0.363 %

**FIG. 3A TABLE 1**

# Matrix Reorganization Under A Variety of Treatments

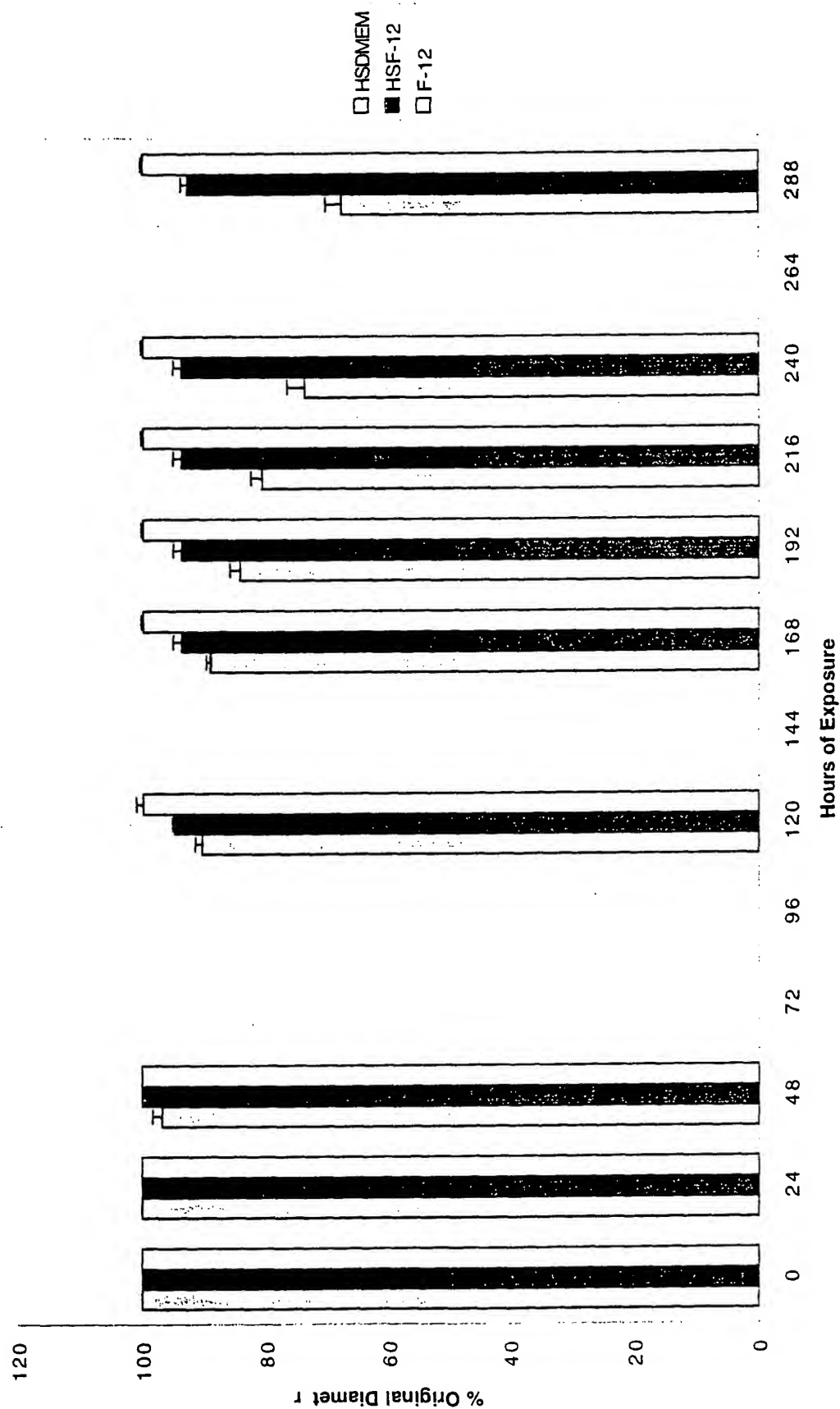


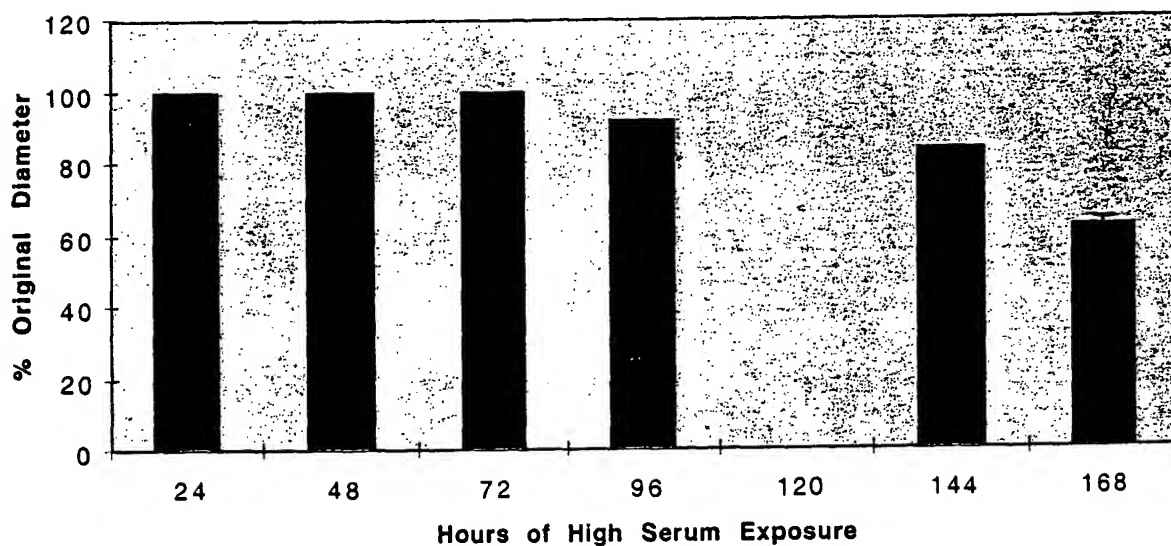
FIGURE 3B

**20ml- Full Size PAP ( HSDMEM)**

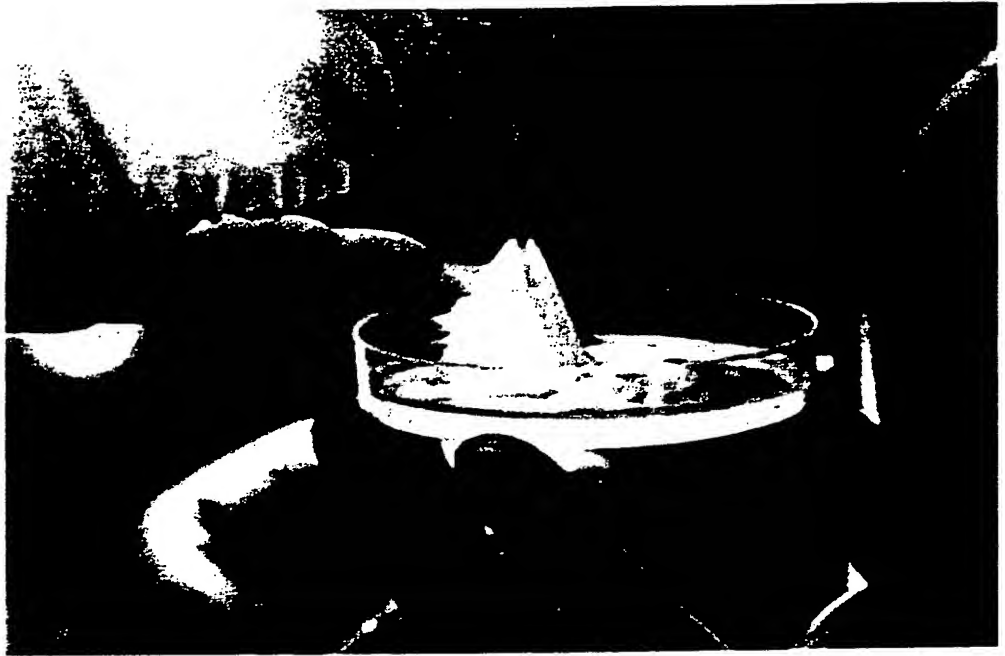
<b>Hrs.</b>	<b>Average</b>	<b>Standard D viation</b>	<b>Standard Error</b>
0	100.000 %	± 0.000%	± 0.000 %
24	100.000%	± 0.000%	± 0.000%
48	100.000%	± 0.000%	± 0.000%
72	99.690%	± 1.037%	± 0.299%
96	91.350%	± 4.812%	± 1.389%
120	NA-----	NA -----	
144	83.330%	± 7.693%	± 2.221
168	61.770%	± 9.177	± 2.649

**FIG. 4A TABLE 2**

**Matrix Reorganization PAP**



**FIG. 4B. GRAPH 2**



**FIG. 5A**



**FIG. 5B**

**BEST AVAILABLE COPY**



**FIG. 6A**



**FIG. 6B**

**BEST AVAILABLE COPY**

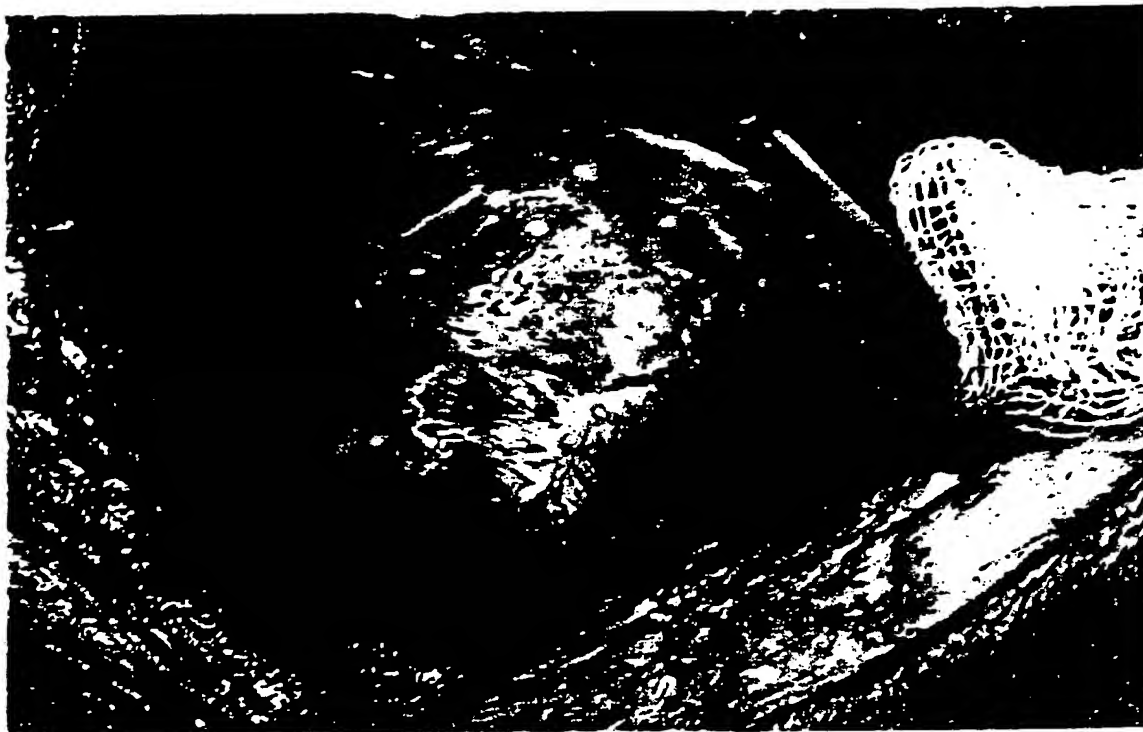


FIG. 7A



FIG. 7B

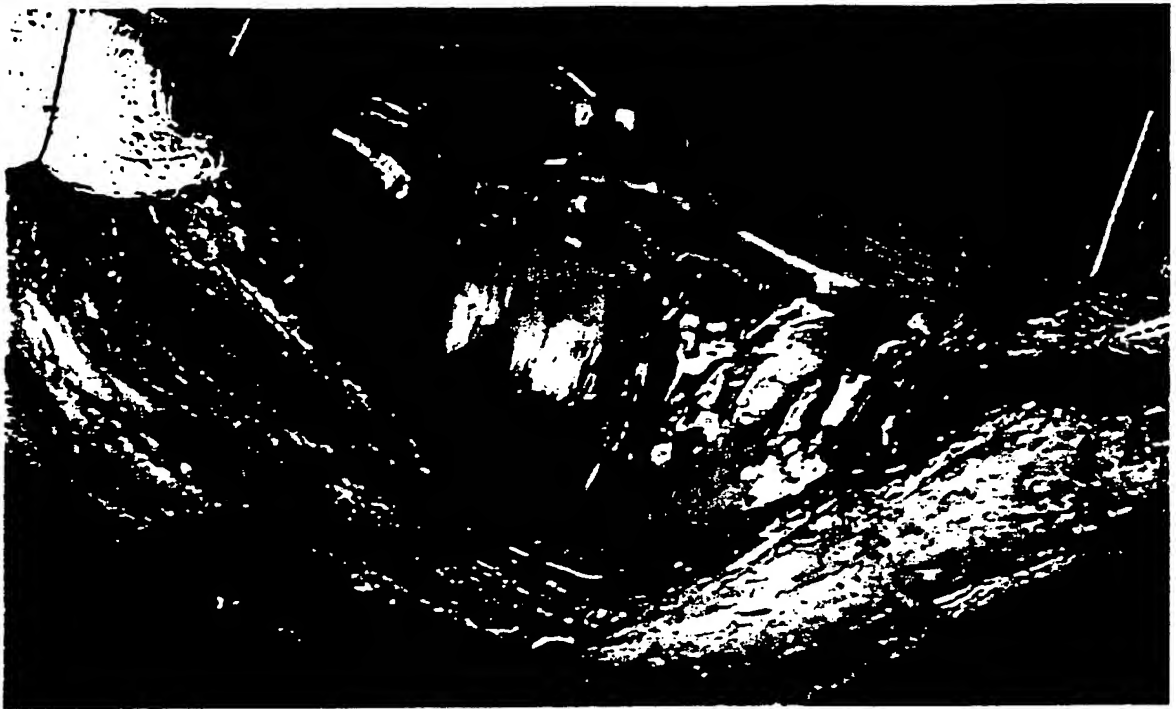


FIG. 7C



FIG. 7D



FIG. 8A



FIG. 8B



FIG. 8C

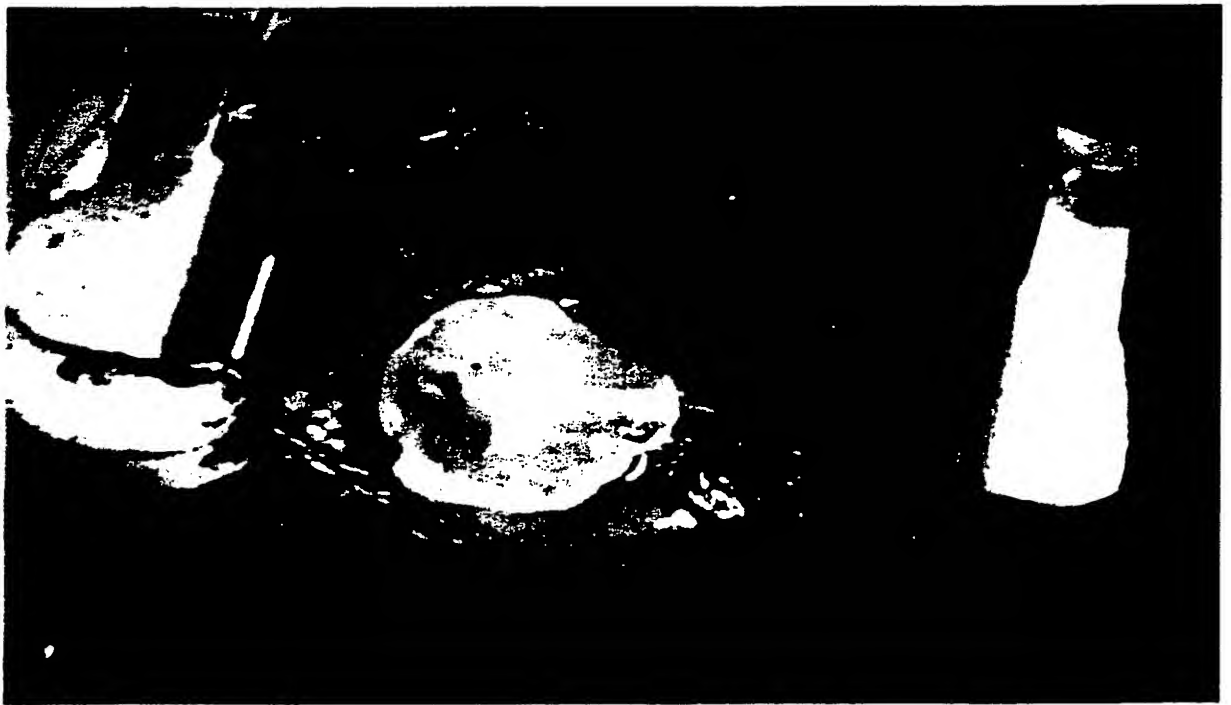
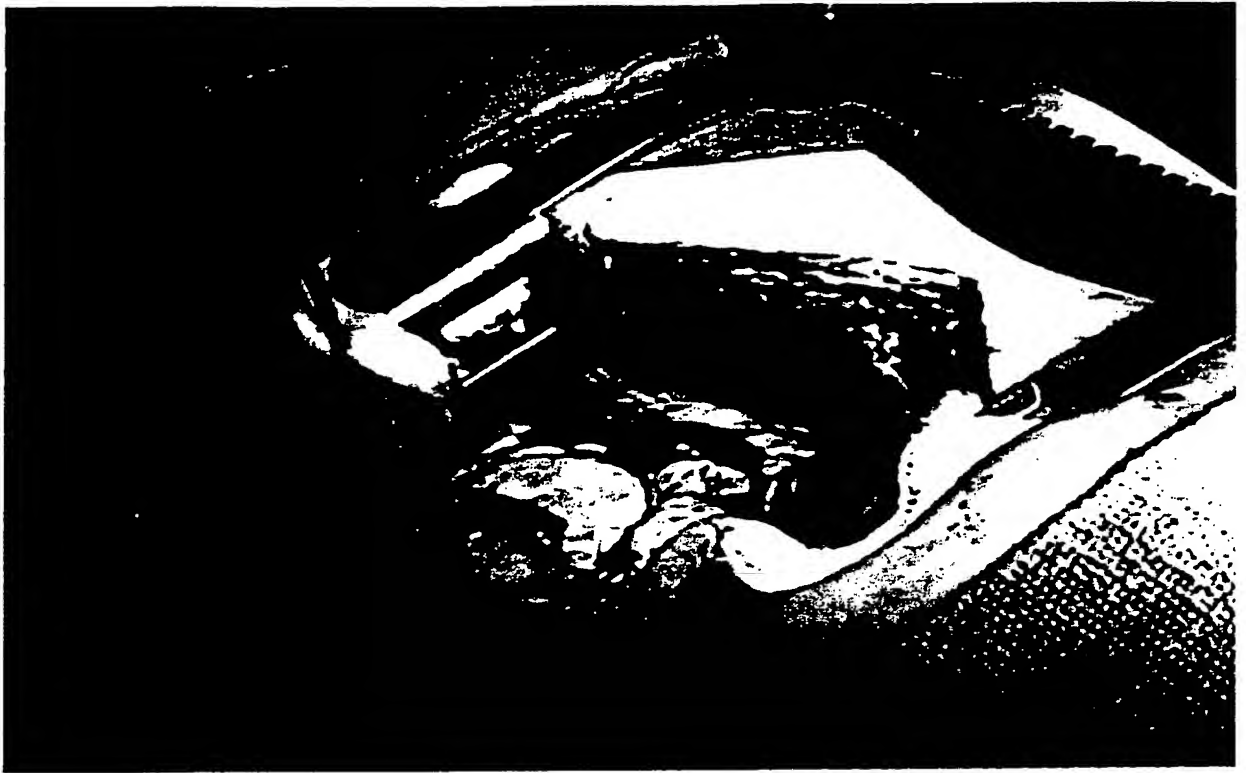
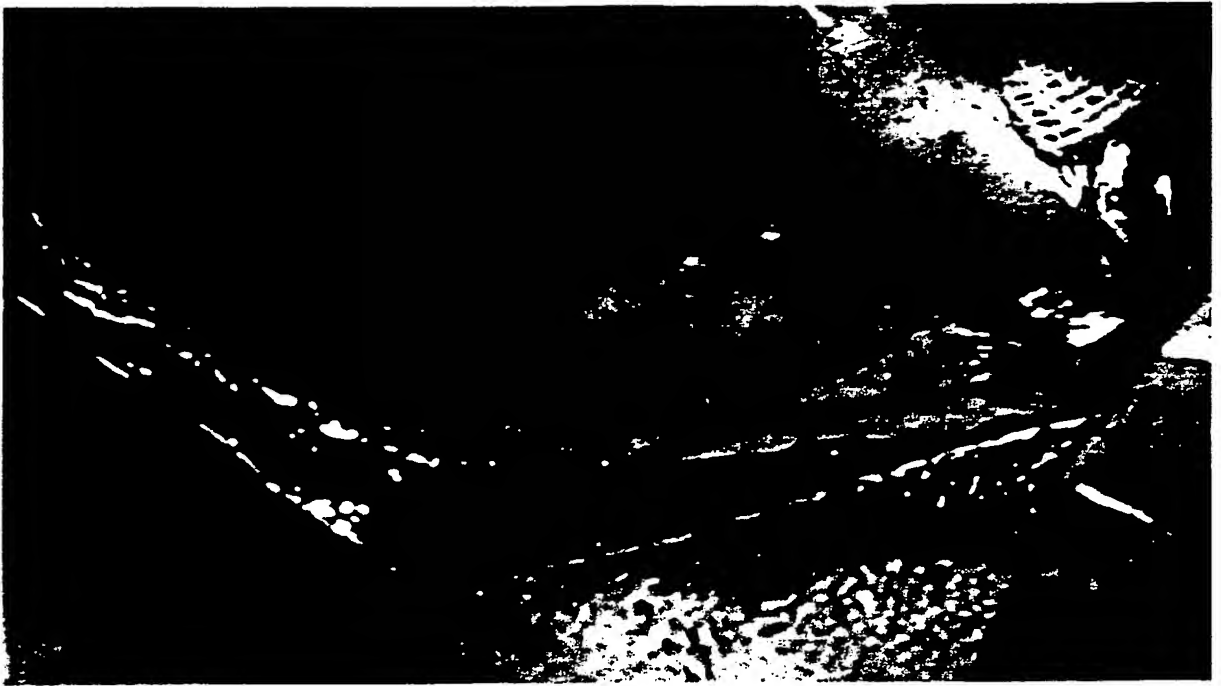


FIG. 8D



**FIG. 8E**



**FIG. 9A**



**FIG. 9B**



**FIG. 9C**



**FIG. 9D**



**FIG. 9E**